

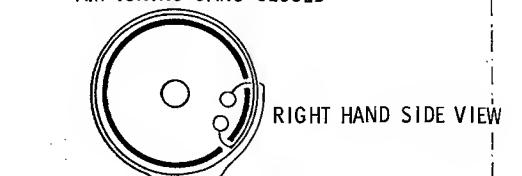


MODEL Granada 61 (20303)

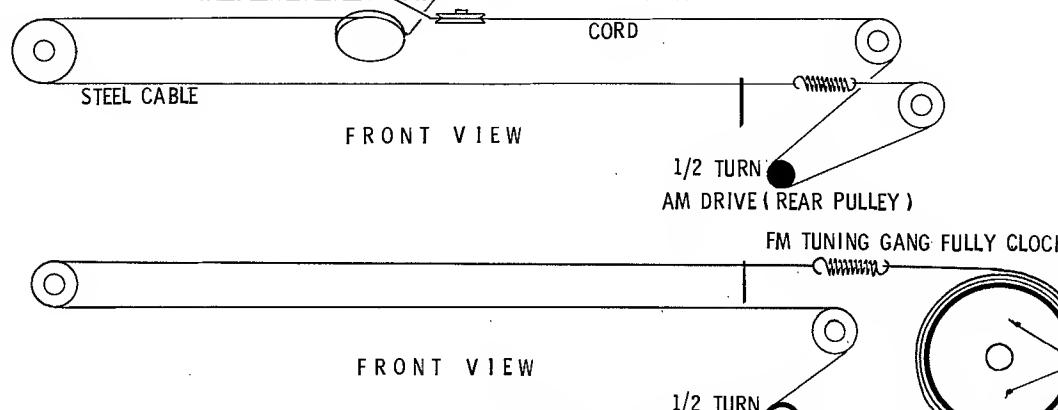
TRADE NAME	Blaupunkt Models Granada 61 (20303), Sultan (20203)	
IMPORTER	N. Pickens Import Co., 64-01 Woodside Ave., Woodside 77, N. Y.	
TYPE SET	AC Operated 6 Tube FM-BC-SW Receiver	
POWER SUPPLY	110 - 120 Volts AC, 60 Cycles	RATING 50 Watts, .5 Amp. @117 Volts AC
TUNING RANGE-BROADCAST	515-1620KC	FREQ. MOD. 88-108MC SHORT WAVE 5.95 - 18.2MC

## DIAL CORD STRINGING

AM TUNING GANG CLOSED



RIGHT HAND SIDE VIEW

1/2 TURN  
AM DRIVE (REAR PULLEY)

FM TUNING GANG FULLY CLOCKWISE

FRONT VIEW

1/2 TURN  
FM DRIVE (FRONT PULLEY)

FERRITE ANTENNA DRIVE CORD STRINGING

FERRITE ANT BAR

TOP VIEW

FRONT VIEW

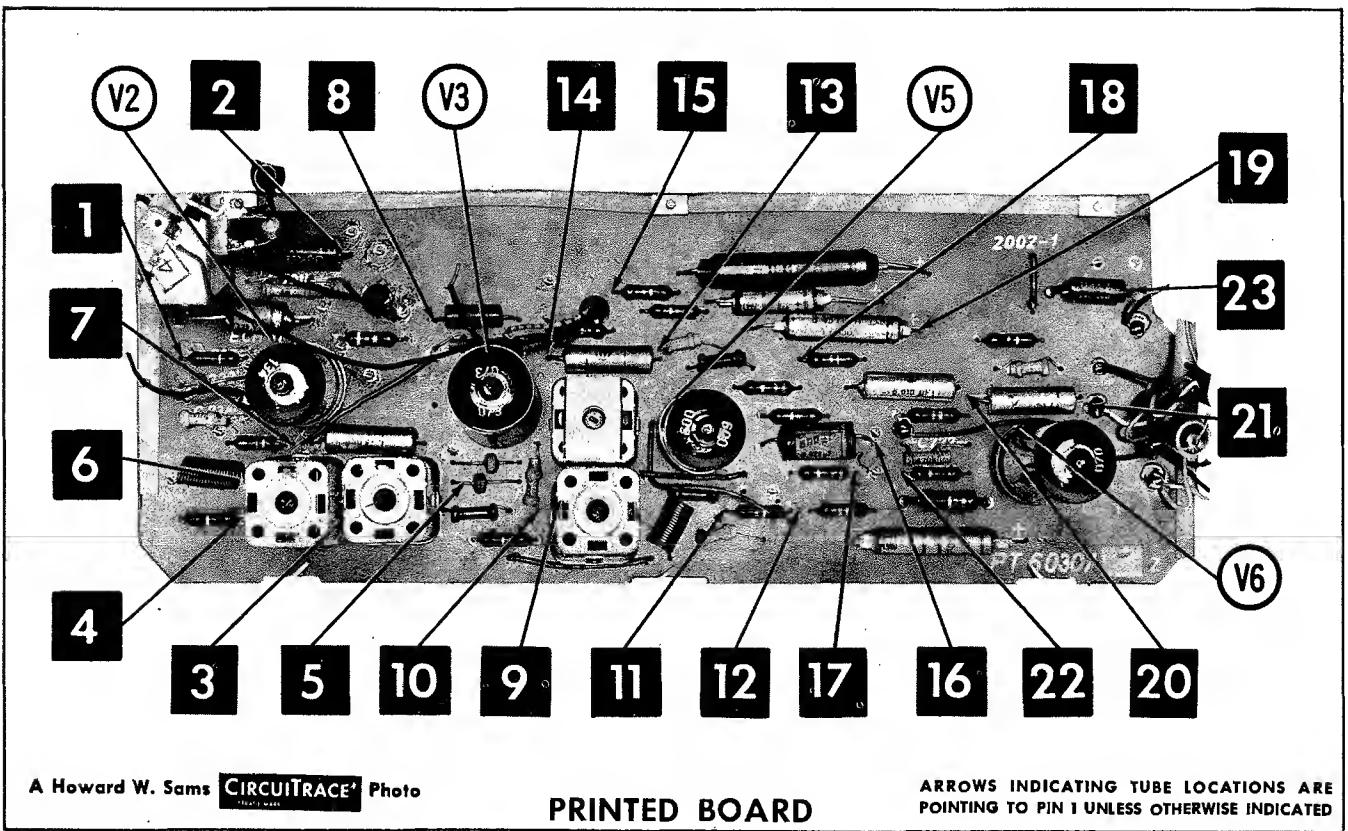
ANT. TUNING SHAFT

HOWARD W. SAMS &amp; CO., INC. Indianapolis 6, Indiana

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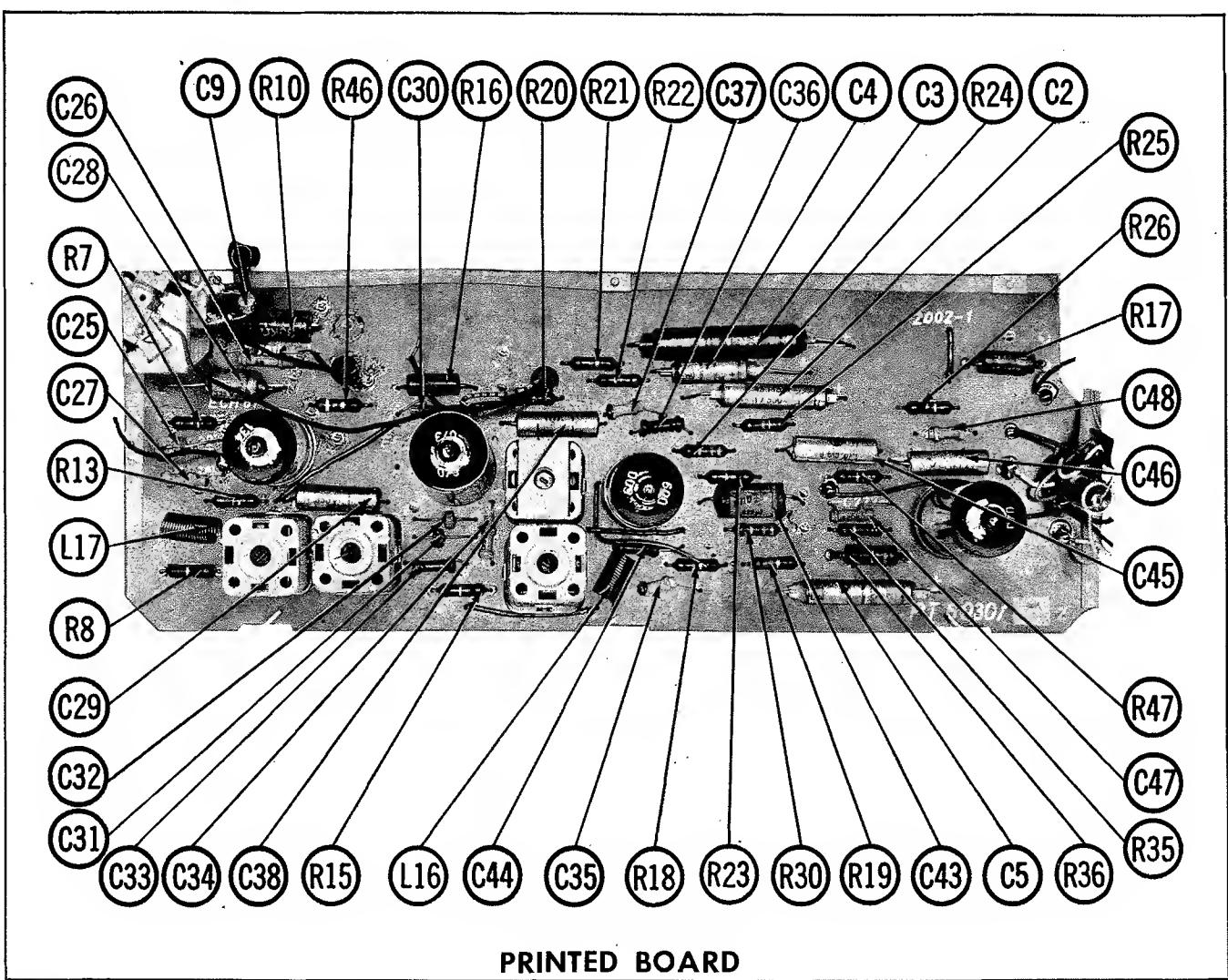
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## PARTS LIST AND DESCRIPTIONS

### TUBES

GENERAL ELECTRIC				RAYTHEON				SYLVANIA			
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	FM RF Amp. -FM Conv.	ECC66	V4	Tuning Indicator		EM84					
V2	1st FM IF Amplifier- AM Mixer-AM Osc.	ECH81	V5	AM Det.-AVC-AF Amp.		EABC80					
V3	2nd FM-1st IF Amp.	EF89	V6	Output		EL84					

### ELECTROLYTIC CAPACITORS

ITEM No.	RATING	BLAUPUNKT PART No.	AERVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	REPLACEMENT DATA
C1A	.50	350	AFH-41	EP137	TC1-1	
C1B	.50	350	PR5160	TC128	TC1-1	
C2	350	350	PR51700	TC595	TC1-1	
C3	4	350	PR5160	TC897	TC1-1	
C4	2	30	PT188	TC302	TC1-1	
C5	50	12	PT189	MLV50-15	MLV50-12	
C6	4	12	PR51605	TC128	MLV50-15	
C7				TC128	MLV50-15	
C8	10	N150	5%	NT50-SI-4.7	NT50-SI-4.7	
C9	10	N150	5%	SI 200	SI 200	
C10	200	4.7	N750	SI 2700	SI 2700	
C11						
C12	51	N150	5%			
C13	3-15					
C14	15	N150	5%			
C15	6-25					
C16	10-40					
C17	47					
C18	1	N750				
C19	3-12					
C21	.051					
C22	.451					
C23	.051					
C24	.47					

\* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

Note 1. Not used in Model Sultan (20203).

### FIXED CAPACITORS

ITEM No.	RATING	BLAUPUNKT PART No.	AERVOX PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	REPLACEMENT DATA
C7	10 N150	5%					10TCP-Q10
C8	10 N150	5%					10TCP-Q10
C9	4.7 N750	5%					10TCP-Q10
C10	200						10TCP-Q10
C11	.0027						10TCP-Q10
C12	51 N150	5%					10TCP-Q10
C13	3-15						10TCP-Q10
C14	15 N150	5%					10TCP-Q10
C15	6-25						10TCP-Q10
C16	10-40						10TCP-Q10
C17	47						10TCP-Q10
C18	1 N750						10TCP-Q10
C19	3-12						10TCP-Q10
C21	.051						10TCP-Q10
C22	.451						10TCP-Q10
C23	.051						10TCP-Q10
C24	.47						10TCP-Q10

\* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

Note 1. Shaded Unit.

## PARTS LIST AND DESCRIPTIONS (Continued)

### RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA	ITEM No.	RATING	REPLACEMENT DATA	ITEM No.	RATING	REPLACEMENT DATA
R4	1000Ω	IRC PART No.	R5	100K	IRC PART No.	R6	100K	IRC PART No.
R6	10K	IRC PART No.	R7	2.2meg	IRC PART No.	R8	2.2meg	IRC PART No.
R7	392	IRC PART No.	R8	47K	IRC PART No.	R9	51K	IRC PART No.
R8	1000Ω	IRC PART No.	R9	470Ω	IRC PART No.	R10	2.2meg	IRC PART No.
R9	271K	IRC PART No.	R10	33K	IRC PART No.	R11	2.2meg	IRC PART No.
R10	470Ω	IRC PART No.	R11	27K	IRC PART No.	R12	1.8meg	IRC PART No.
R12	100K	IRC PART No.	R13	1000Ω	IRC PART No.	R14	1.8meg	IRC PART No.
R13	100K	IRC PART No.	R15	100K	IRC PART No.	R16	47K	IRC PART No.
R14	1000Ω	IRC PART No.	R17	2200Ω	IRC PART No.	R18	15Ω	IRC PART No.
R15	1000Ω	IRC PART No.	R19	330K	IRC PART No.	R20	15K	IRC PART No.
R16	47K	IRC PART No.	R21	100Ω	IRC PART No.	R22	3.3K	IRC PART No.
R17	2200Ω	IRC PART No.	R23	100Ω	IRC PART No.	R24	10Ω	IRC PART No.
R18	15Ω	IRC PART No.	R25	220K	IRC PART No.			
R19	330K	IRC PART No.						
R20	15K	IRC PART No.						
R21	100Ω	IRC PART No.						
R22	3.3K	IRC PART No.						
R23	10Ω	IRC PART No.						
R24	470Ω	IRC PART No.						
R25	220K	IRC PART No.						

### COILS (RF-IF)

ITEM No.	USE	BLAUPUNKT PART No.	Merit PART No.	Stancor PART No.	Workman TV PART No.	NOTES
L1	Ant. Matching					
L2	SW Ant.					
L3	RF Choke					
L4	460KC IF					
L5	BC Ant.					
L6	Loopstick					
L7A	SW One.					
B	RF Choke					
L8	BC Osc.					
L9	2nd FM IF					
L10	1st AM IF					
L11	Ratio Det.					
L12	2nd AM IF					
L13	Tone Choke					
L14	Tone Choke					
L15	Tone Choke					
L16	Fil. Choke					
L17	Fil. Choke					
L18	Fil. Choke					
L19	Line Choke					
L20	Line Choke					

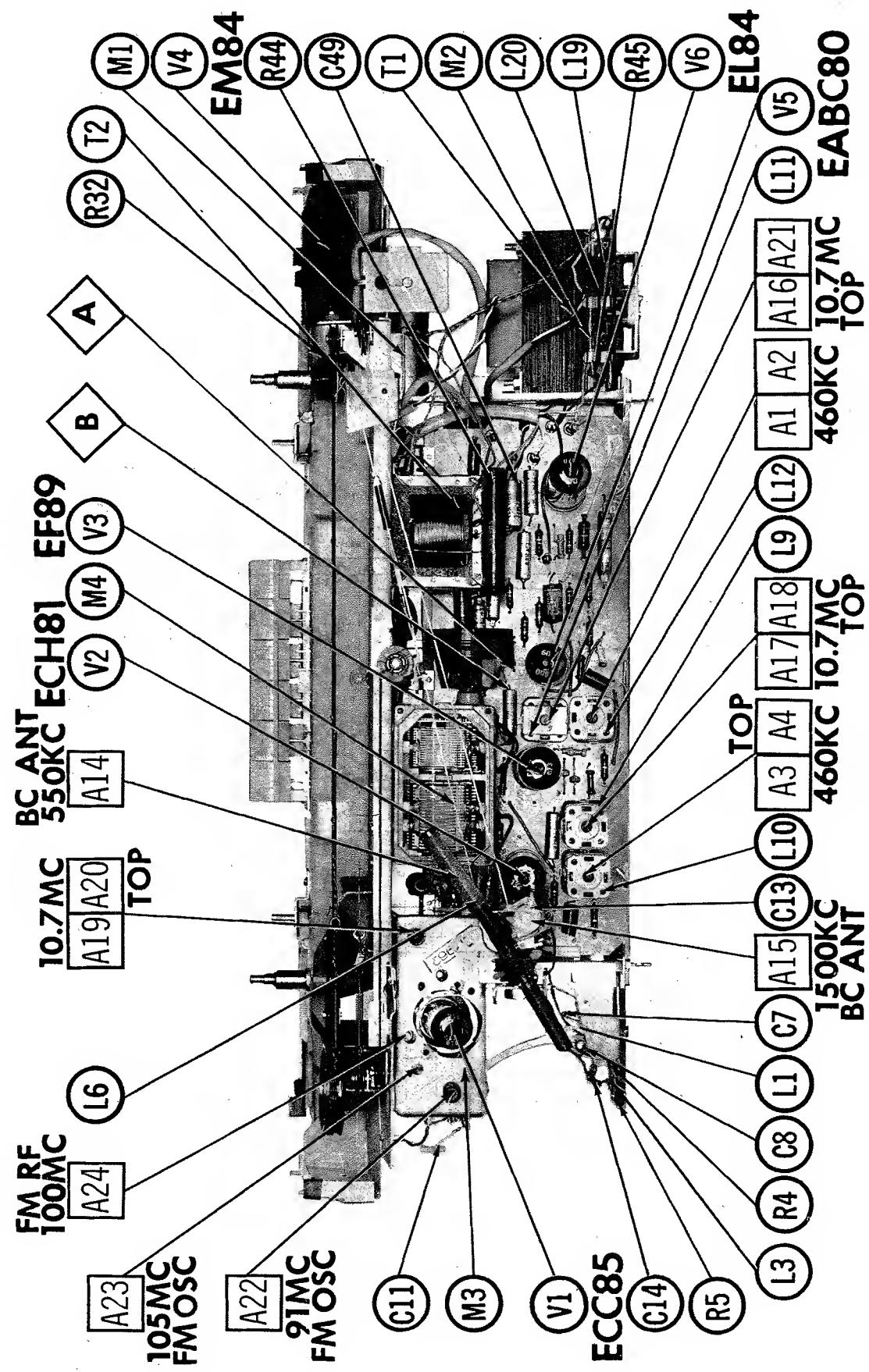
### TRANSFORMER (POWER)

ITEM No.	USE	BLAUPUNKT PART No.	Merit PART No.	Stancor PART No.	Workman TV PART No.	NOTES
T532						

### TRANSFORMER (AUDIO OUTPUT)

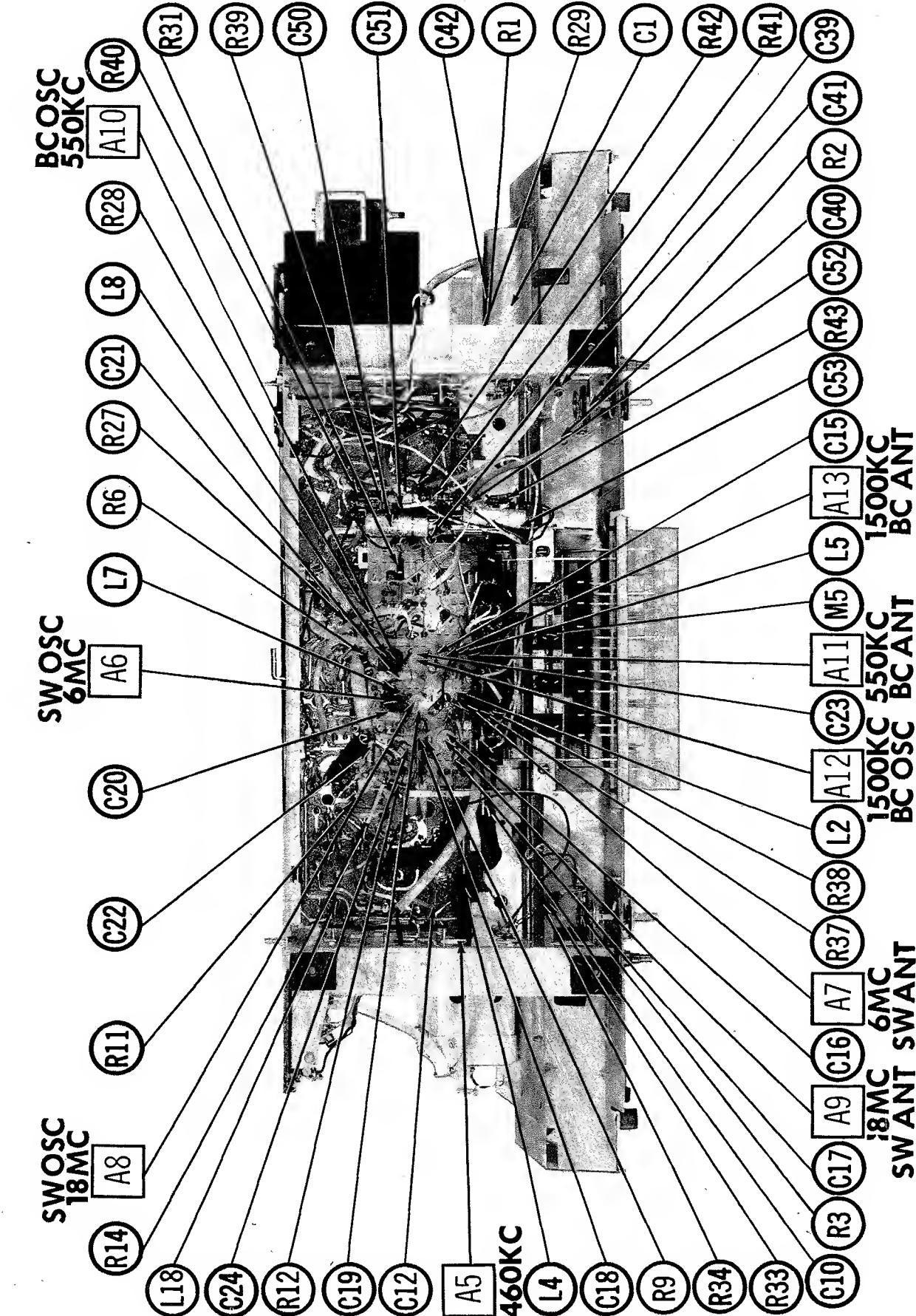
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**CHASSIS TOP VIEW**  
**BLAUFUNK MODELL 61(20303), Sultan (20203)**

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## CHASSIS BOTTOM VIEW

